

Docket No. 196726US0

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Olivier DE LACHARRIERE, et al.

SERIAL NO: 09/686,997

GAU: 1617

FILED: October 12, 2000

EXAMINER: Shengjun Wang

FOR: USE OF DHEA OR PRECURSORS OR METABOLIC DERIVATIVES THEREOF AS A DEPIGMENTING AGENT

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached European Search Report and form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☒ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Richard L. Treanor
Registration No. 36,379

Jeffrey B. McIntyre
Registration No. 36,867

08/25/2005 SZEWDIE1 00000100 09686997

01 FC:1806

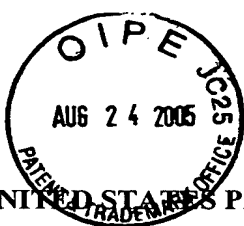
180.00 DP

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Docket No. 196726US0



RECEIVED
AUG 29 2005
TECH CENTER 1600/20000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Olivier DE LACHARRIERE, et al.

SERIAL NO: 09/686,997

GAU: 1617

FILED: October 12, 2000

EXAMINER: Shengjun Wang

FOR: USE OF DHEA OR PRECURSORS OR METABOLIC DERIVATIVES THEREOF AS A DEPIGMENTING AGENT

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached European Search Report and form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☒ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Richard L. Treanor

Registration No. 36,379

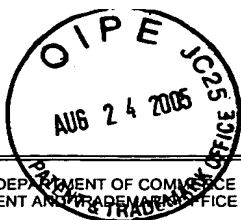
Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Jeffrey B. McIntyre

Registration No. 36,867

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

196726US0

SERIAL NO.

09/686,997

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Olivier DE LACHARRIERE, et al.

FILING DATE

October 12, 2000

GROUP

1617

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|--------------------|----------|--------------------|-------|--------------|-------------------------------|
| | AA | 4,542,129 | 09/17/85 | Orentreich, Norman | | | |
| | AB | 5,824,671 | 10/20/98 | Labrie, Fernand | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |
| | AL | | | | | | |
| | AM | | | | | | |
| | AN | | | | | | |

RECEIVED
AUG 29 2005
TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
|--|----|--------------------|----------|------------------------------------|-------------|----|
| | | | | | YES | NO |
| | AO | JP 60 161912 | 08/23/85 | Japan (English Abstract Provided) | | X |
| | AP | JP 07 196467 | 08/01/95 | Japan (English Abstract Provided) | | X |
| | AQ | EP 0 723 775 | 07/31/96 | EPO (English Abstract Provided) | | X |
| | AR | WO 97 10255 | 03/20/97 | WIPO | X | |
| | AS | FR 2 760 362 | 09/11/98 | France (English Abstract Provided) | | X |
| | AT | FR 2 777 181 | 10/15/99 | France (English Abstract Provided) | | X |
| | AU | | | | | |
| | AV | | | | | |

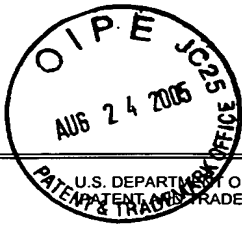
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|--|----|---|--|
| | AW | Patent Abstracts of Japan, vol. 1995, no. 11, December 26, 1995, JP07196467 | |
| | AX | Patent Abstracts of Japan, vol. 009, no. 331, December 25, 1985, JP60161912 | |
| | AY | Chemical Abstracts, vol. 123, no. 7, August 14, 1995, Columbus, OH, Abstract No. 75142q, Shinichi Kawai, et al.: "Dehydroepiandrosterone Inhibits B16 Mouse Melanoma Cell Growth By Induction or Differentiation" XP002141517 | |
| | AZ | Anticancer Research, vol. 15, no. 2, 1995, "Dehydroepiandrosterone Inhibits B16 Mouse Melanoma Cell Growth By Induction or Differentiation" pages 427-432 | <input type="checkbox"/> Additional References sheet(s) attached |

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



SHEET 2 OF

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

196726US0

SERIAL NO.

09/686,997

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Olivier DE LACHARRIERE, et al.

FILING DATE

October 12, 2000

GROUP

1617

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|--------------------|------|------|-------|--------------|-------------------------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |
| | AL | | | | | | |
| | AM | | | | | | |
| | AN | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
|--|----|--------------------|------|---------|-------------|----|
| | | | | | YES | NO |
| | AO | | | | | |
| | AP | | | | | |
| | AQ | | | | | |
| | AR | | | | | |
| | AS | | | | | |
| | AT | | | | | |
| | AU | | | | | |
| | AV | | | | | |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|--|----|--|
| | AW | E.E., Baulieu, et al.: "Dehydroepiandrosterone (DHEA), DHEA Sulfate and Aging: Contribution of the DHEAge Study to a Sociobiomedical Issue" Proceedings of the National Academy of Sciences of USA, vol. 97, no. 8, April 11, 2000, pages 4279-4284, XP002141516 |
| | AX | National Academy of Science, U.S., ISSN: 0027-8424, "Life In A Ligand Sphere", pages 4283-4287, May 1994 |
| | AY | |
| | AZ | |

☐ Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED
AUG 29 2005
TECH CENTER 1600/2900



| DOCUMENTS CONSIDERES COMME PERTINENTS | | | |
|--|--|--|--|
| Catégorie | Citation du document avec indication, en cas de besoin, des parties pertinentes | Revendication concernée | CLASSEMENT DE LA DEMANDE (Int.Cl.7) |
| X | WO 97 10255 A (ESTEE LAUDER INC) 20 mars 1997 (1997-03-20) * revendications 1,13 * | 1,2 | A61K7/48 A61P17/12 |
| D,A | PATENT ABSTRACTS OF JAPAN vol. 1995, no. 11, 26 décembre 1995 (1995-12-26) & JP 07 196467 A (KANEBO LTD), 1 août 1995 (1995-08-01) * abrégé * | 1,2 | |
| A | FR 2 760 362 A (VITASTEROL) 11 septembre 1998 (1998-09-11) * revendication 1 * | 1 | |
| A | PATENT ABSTRACTS OF JAPAN vol. 009, no. 331 (C-321), 25 décembre 1985 (1985-12-25) & JP 60 161912 A (KANEBO KK), 23 août 1985 (1985-08-23) * abrégé * | 1,2 | |
| D,A | EP 0 723 775 A (L'OREAL) 31 juillet 1996 (1996-07-31) * revendication 1 * | 1,2 | DOMAINES TECHNIQUES RECHERCHES (Int.Cl.7) A61K A61P |
| A | CHEMICAL ABSTRACTS, vol. 123, no. 7, 14 août 1995 (1995-08-14) Columbus, Ohio, US; abstract no. 75142q, SHINICHI KAWAI ET AL: "Dehydroepiandrosterone inhibits B16 mouse melanoma cell growth by induction or differentiation" XP002141517 * abrégé * & ANTICANCER RESEACH, vol. 15, no. 2, 1995, pages 427-431, --- -/-- | 1 | |
| Le présent rapport a été établi pour toutes les revendications | | | |
| Lieu de la recherche LA HAYE | | Date d'achèvement de la recherche 12 juin 2001 | Examineur Voyiazoglou, D |
| CATEGORIE DES DOCUMENTS CITES | | | |
| X : particulièrement pertinent à lui seul Y : particulièrement pertinent en combinaison avec un autre document de la même catégorie A : arrière-plan technologique O : divulgation non-écrite P : document intercalaire | | T : théorie ou principe à la base de l'invention E : document de brevet antérieur, mais publié à la date de dépôt ou après cette date D : cité dans la demande L : cité pour d'autres raisons & : membre de la même famille, document correspondant | |



| DOCUMENTS CONSIDERES COMME PERTINENTS | | | |
|--|--|---|---|
| Catégorie | Citation du document avec indication, en cas de besoin, des parties pertinentes | Revendication concernée | CLASSEMENT DE LA DEMANDE (Int.CI.7) |
| D,A | US 4 542 129 A (ORENTREICH NORMAN) 17 septembre 1985 (1985-09-17) * revendication 1 * | 1,2 | |
| D,A | US 5 824 671 A (LABRIE FERNAND) 20 octobre 1998 (1998-10-20) * revendication 1 * | 1 | |
| P,A | FR 2 777 181 A (LVMH RECH) 15 octobre 1999 (1999-10-15) * revendications 1,11; exemple 4 * | 1 | |
| P,X | E.-E. BAULIEU ET AL: "Dehydroepiandrosterone (DHEA), DHEA sulfate and aging: Contribution of the DHEAge study to a sociobiomedical issue" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA., vol. 97, no. 8, 11 avril 2000 (2000-04-11), pages 4279-4284, XP002141516 NATIONAL ACADEMY OF SCIENCE. WASHINGTON., US ISSN: 0027-8424 * page 4283, colonne de gauche, ligne 33 - ligne 44 * | 1,2 | |
| Le présent rapport a été établi pour toutes les revendications | | | DOMAINES TECHNIQUES RECHERCHES (Int.CI.7) |
| Lieu de la recherche LA HAYE | | Date d'achèvement de la recherche 12 juin 2001 | Examineur Voyiazoglou, D |
| <p>CATEGORIE DES DOCUMENTS CITES</p> <p>X : particulièrement pertinent à lui seul Y : particulièrement pertinent en combinaison avec un autre document de la même catégorie A : arrière-plan technologique O : divulgation non-écrite P : document intercalaire</p> <p>T : théorie ou principe à la base de l'invention E : document de brevet antérieur, mais publié à la date de dépôt ou après cette date D : cité dans la demande L : cité pour d'autres raisons & : membre de la même famille, document correspondant</p> | | | |

4
EPO FORM 1503 03.82 (P04C02)

**ANNEXE AU RAPPORT DE RECHERCHE EUROPEENNE
RELATIF A LA DEMANDE DE BREVET EUROPEEN NO.**

EP 00 11 8605

La présente annexe indique les membres de la famille de brevets relatifs aux documents brevets cités dans le rapport de recherche européenne visé ci-dessus.
Lesdits membres sont contenus au fichier informatique de l'Office européen des brevets à la date du
Les renseignements fournis sont donnés à titre indicatif et n'engagent pas la responsabilité de l'Office européen des brevets.

12-06-2001

| Document brevet cité au rapport de recherche | Date de publication | Membre(s) de la famille de brevet(s) | Date de publication |
|---|------------------------|---|------------------------|
| WO 9710255 A | 20-03-1997 | US 5736537 A | 07-04-1998 |
| | | AT 195527 T | 15-09-2000 |
| | | AU 712977 B | 18-11-1999 |
| | | AU 6966996 A | 01-04-1997 |
| | | DE 69609868 D | 21-09-2000 |
| | | DE 69609868 T | 15-03-2001 |
| | | EP 0876391 A | 11-11-1998 |
| | | ES 2151180 T | 16-12-2000 |
| | | US 6025347 A | 15-02-2000 |
| JP 07196467 A | 01-08-1995 | AUCUN | |
| FR 2760362 A | 11-09-1998 | AU 6840298 A | 29-09-1998 |
| | | EP 0973524 A | 26-01-2000 |
| | | WO 9840074 A | 17-09-1998 |
| JP 60161912 A | 23-08-1985 | JP 1403597 C | 09-10-1987 |
| | | JP 62009577 B | 28-02-1987 |
| EP 723775 A | 31-07-1996 | FR 2729854 A | 02-08-1996 |
| | | DE 69600115 D | 22-01-1998 |
| | | DE 69600115 T | 02-04-1998 |
| | | ES 2113219 T | 16-04-1998 |
| | | JP 8231342 A | 10-09-1996 |
| | | JP 2000001415 A | 07-01-2000 |
| | | US 5989568 A | 23-11-1999 |
| | | US 5900242 A | 04-05-1999 |
| US 4542129 A | 17-09-1985 | US 4496556 A | 29-01-1985 |
| | | AU 580028 B | 22-12-1988 |
| | | AU 3812785 A | 07-08-1986 |
| | | EP 0189738 A | 06-08-1986 |
| US 5824671 A | 20-10-1998 | AU 686120 B | 05-02-1998 |
| | | AU 5388494 A | 28-07-1994 |
| | | AU 5855794 A | 15-08-1994 |
| | | CA 2154161 A | 04-08-1994 |
| | | WO 9416709 A | 04-08-1994 |
| | | CN 1116823 A | 14-02-1996 |
| | | CZ 9501565 A | 13-12-1995 |
| | | EP 0680327 A | 08-11-1995 |
| | | FI 953017 A | 19-06-1995 |
| | | HU 73241 A | 29-07-1996 |
| | | JP 8505629 T | 18-06-1996 |
| | | NO 952417 A | 16-06-1995 |
| | | NO 20003545 A | 16-06-1995 |

EPO FORM P0480

Pour tout renseignement concernant cette annexe : voir Journal Officiel de l'Office européen des brevets, No.12/82

**ANNEXE AU RAPPORT DE RECHERCHE EUROPEENNE
RELATIF A LA DEMANDE DE BREVET EUROPEEN NO.**

EP 00 11 8605

La présente annexe indique les membres de la famille de brevets relatifs aux documents brevets cités dans le rapport de recherche européenne visé ci-dessus.
Lesdits membres sont contenus au fichier informatique de l'Office européen des brevets à la date du
Les renseignements fournis sont donnés à titre indicatif et n'engagent pas la responsabilité de l'Office européen des brevets.

12-06-2001

| Document brevet cité au rapport de recherche | Date de publication | Membre(s) de la famille de brevet(s) | Date de publication |
|---|------------------------|---|------------------------|
| US 5824671 A | | NO 20003546 A | 16-06-1995 |
| | | NO 20003547 A | 16-06-1995 |
| | | NO 20003549 A | 16-06-1995 |
| | | NZ 250712 A | 26-11-1996 |
| | | SK 77995 A | 09-04-1997 |
| | | US 5776923 A | 07-07-1998 |
| | | US 5843932 A | 01-12-1998 |
| | | US 5798347 A | 25-08-1998 |
| | | US 5854229 A | 29-12-1998 |
| | | US 5728688 A | 17-03-1998 |
| | | US 5872114 A | 16-02-1999 |
| | | US 5837700 A | 17-11-1998 |
| | | US 5948434 A | 07-09-1999 |
| | | US 5922700 A | 13-07-1999 |
| | | US 5780460 A | 14-07-1998 |
| | | US 5807849 A | 15-09-1998 |
| | | US 5955455 A | 21-09-1999 |
| | | ZA 9400372 A | 19-07-1995 |
| <hr/> | | | |
| FR 2777181 A | 15-10-1999 | AUCUN | |
| <hr/> | | | |

EPO FORM P0480

EPO FORM P0480

Pour tout renseignement concernant cette annexe : voir Journal Officiel de l'Office européen des brevets, No.12/82